

FIG. 1

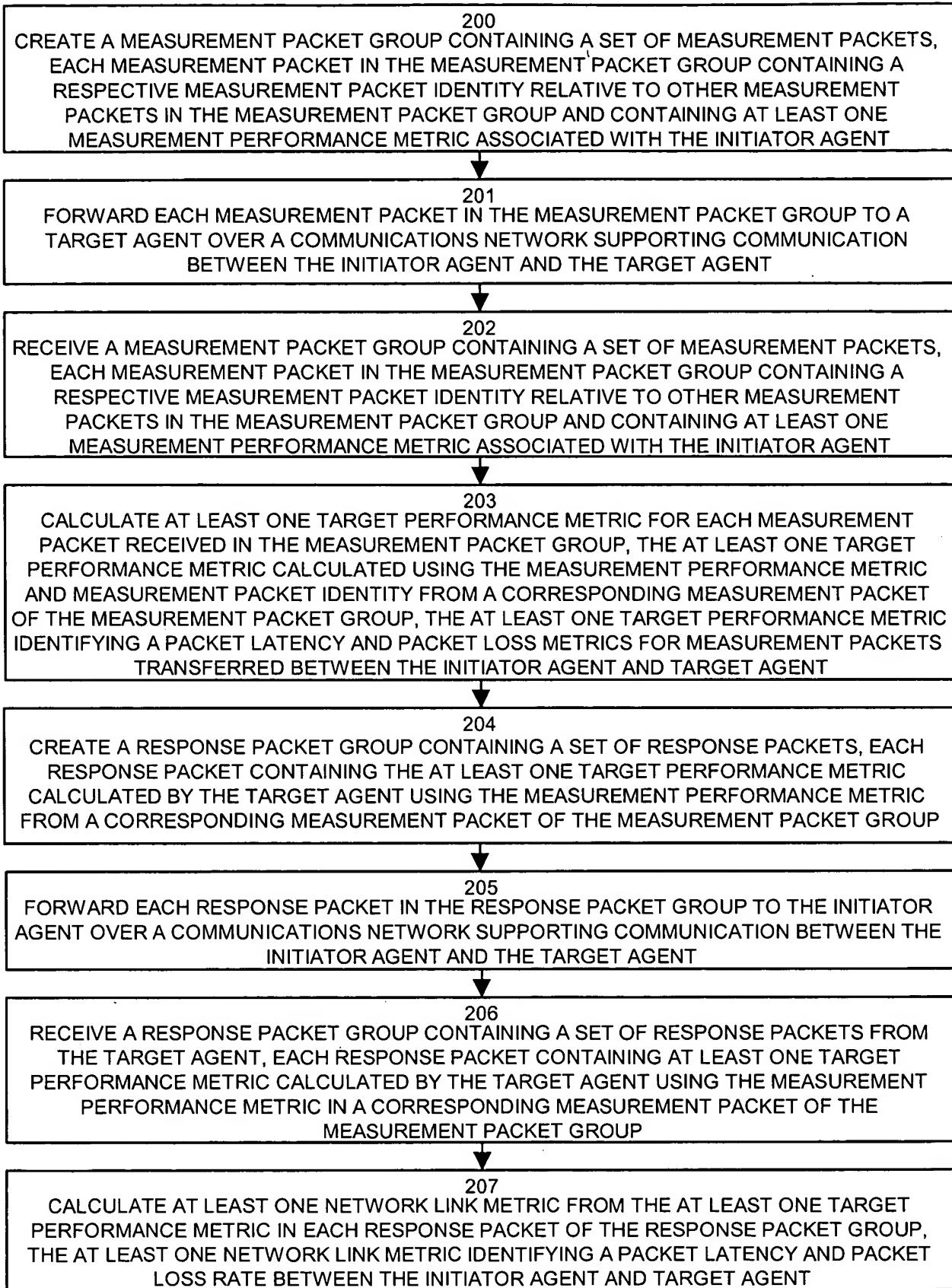


FIG. 2

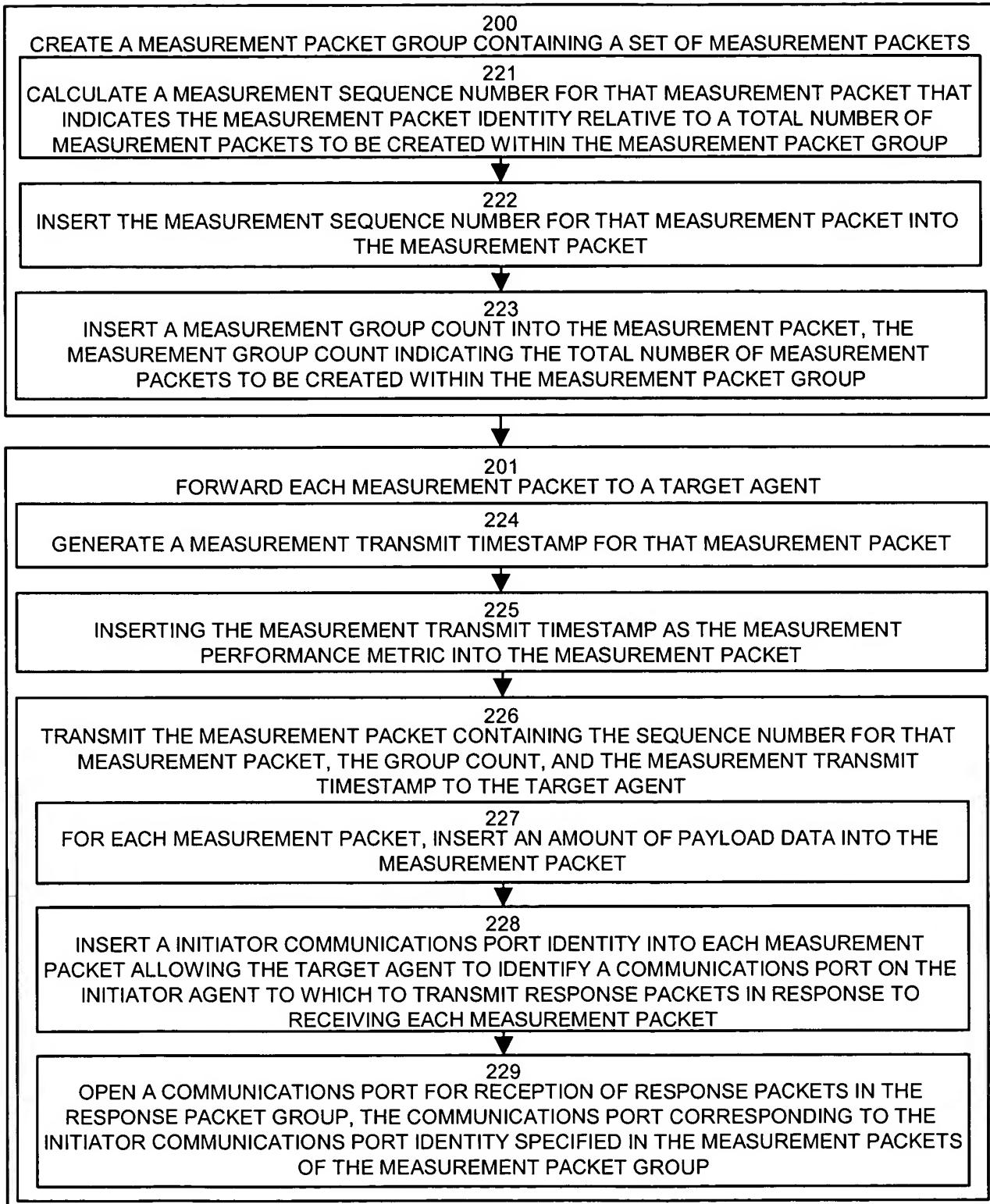


FIG. 3

202
RECEIVE A MEASUREMENT PACKET GROUP CONTAINING A SET OF MEASUREMENT PACKETS, EACH MEASUREMENT PACKET IN THE MEASUREMENT PACKET GROUP CONTAINING A RESPECTIVE MEASUREMENT PACKET IDENTITY RELATIVE TO OTHER MEASUREMENT PACKETS IN THE MEASUREMENT PACKET GROUP AND CONTAINING AT LEAST ONE MEASUREMENT PERFORMANCE METRIC ASSOCIATED WITH THE INITIATOR AGENT

230
GENERATE A TARGET PROCESSING TIMESTAMP UPON RECEIPT OF THE MEASUREMENT PACKET, THE TARGET PROCESSING TIMESTAMP ASSOCIATED WITH THE MEASUREMENT PACKET RECEIVED AND INDICATING A TIME AT WHICH THE TARGET AGENT RECEIVES THE MEASUREMENT PACKET

231
OBTAIN A MEASUREMENT GROUP COUNT FROM THE MEASUREMENT PACKET, THE MEASUREMENT GROUP COUNT INDICATING THE TOTAL NUMBER OF MEASUREMENT PACKETS TO BE RECEIVED WITHIN THE MEASUREMENT PACKET GROUP

232
OBTAIN A MEASUREMENT SEQUENCE NUMBER FROM THAT MEASUREMENT PACKET, THE MEASUREMENT SEQUENCE NUMBER INDICATING THE MEASUREMENT PACKET IDENTITY OF THAT MEASUREMENT PACKET RELATIVE TO A TOTAL NUMBER OF MEASUREMENT PACKETS TO BE CREATED WITHIN THE MEASUREMENT PACKET GROUP AS INDICATED BY THE MEASUREMENT GROUP COUNT

233
OBTAIN A MEASUREMENT TRANSMIT TIMESTAMP AS THE MEASUREMENT PERFORMANCE METRIC FROM THE MEASUREMENT PACKET, THE MEASUREMENT TRANSMIT TIMESTAMP INDICATING A TIME AT WHICH THE INITIATOR AGENT TRANSMITTED THE MEASUREMENT PACKET TO THE TARGET AGENT

FIG. 4

203
CALCULATE AT LEAST ONE TARGET PERFORMANCE METRIC FOR EACH MEASUREMENT PACKET RECEIVED IN THE MEASUREMENT PACKET GROUP

234
CALCULATE, AS THE AT LEAST ONE NETWORK LINK METRIC IN ASSOCIATION WITH THE MEASUREMENT PACKET, A MEASUREMENT PACKET ONE WAY TRAVEL TIME BETWEEN THE INITIATOR AGENT AND THE TARGET AGENT AS A TIME DIFFERENCE BETWEEN THE MEASUREMENT TRANSMIT TIMESTAMP FOR A MEASUREMENT PACKET THAT CORRESPONDS WITH THE RECEIVED RESPONSE PACKET AND THE TARGET PROCESSING TIMESTAMP THAT THE TARGET AGENT GENERATES UPON RECEIPT OF THE MEASUREMENT PACKET

235
IDENTIFY A COMPLETION EVENT FOR RECEIPT OF THE MEASUREMENT PACKET GROUP

236
CALCULATE A PACKET LOSS METRIC OF PACKETS LOST IN TRANSMISSION BETWEEN THE INITIATOR AGENT AND TARGET AGENT BASED UPON RECEIVED MEASUREMENT SEQUENCE NUMBERS AND A TOTAL NUMBER OF PACKETS IN A MEASUREMENT PACKET GROUP IDENTIFIED BY THE MEASUREMENT GROUP COUNT

237
CALCULATE AN AVERAGE ONE WAY TRAVEL TIME FOR MEASUREMENT PACKETS TRANSMITTED BETWEEN THE INITIATOR AGENT AND THE TARGET AGENT IN THE MEASUREMENT PACKET GROUP BY AVERAGING THE MEASUREMENT PACKET ONE WAY TRAVEL TIME ACROSS A NUMBER OF MEASUREMENT PACKETS RECEIVED

FIG. 5

204
CREATE A RESPONSE PACKET GROUP CONTAINING A SET OF RESPONSE PACKETS, EACH RESPONSE PACKET CONTAINING THE AT LEAST ONE TARGET PERFORMANCE METRIC CALCULATED BY THE TARGET AGENT USING THE MEASUREMENT PERFORMANCE METRIC FROM A CORRESPONDING MEASUREMENT PACKET OF THE MEASUREMENT PACKET GROUP

238
FOR EACH MEASUREMENT PACKET RECEIVED IN THE MEASUREMENT PACKET GROUP

239
COPY THE CONTENTS OF THAT MEASUREMENT PACKET INTO A CORRESPONDING RESPONSE PACKET GENERATED AND CORRESPONDING TO THAT MEASUREMENT PACKET

240

INSERT THE TARGET PROCESSING TIMESTAMP INTO THE RESPONSE PACKET

241

INSERT AT LEAST ONE OF THE PACKET LOSS METRIC AND THE AVERAGE ONE WAY TRAVEL TIME FOR MEASUREMENT PACKETS AS THE AT LEAST ONE TARGET PERFORMANCE METRIC WITHIN THE RESPONSE PACKET

242

PERFORM THE OPERATION OF FORWARDING THAT RESPONSE PACKET OF THE RESPONSE PACKET GROUP TO THE INITIATOR AGENT

FIG. 6

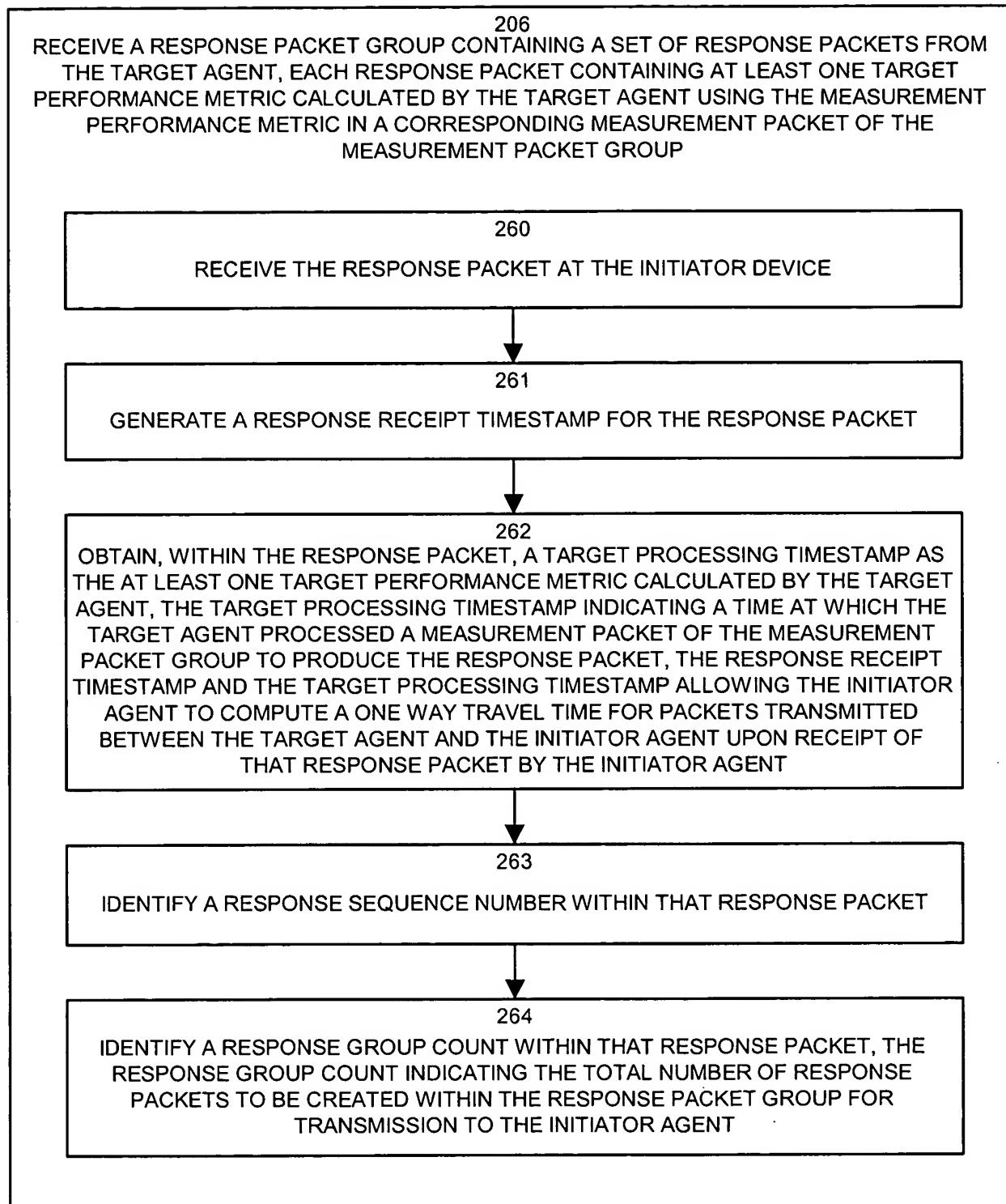


FIG. 7

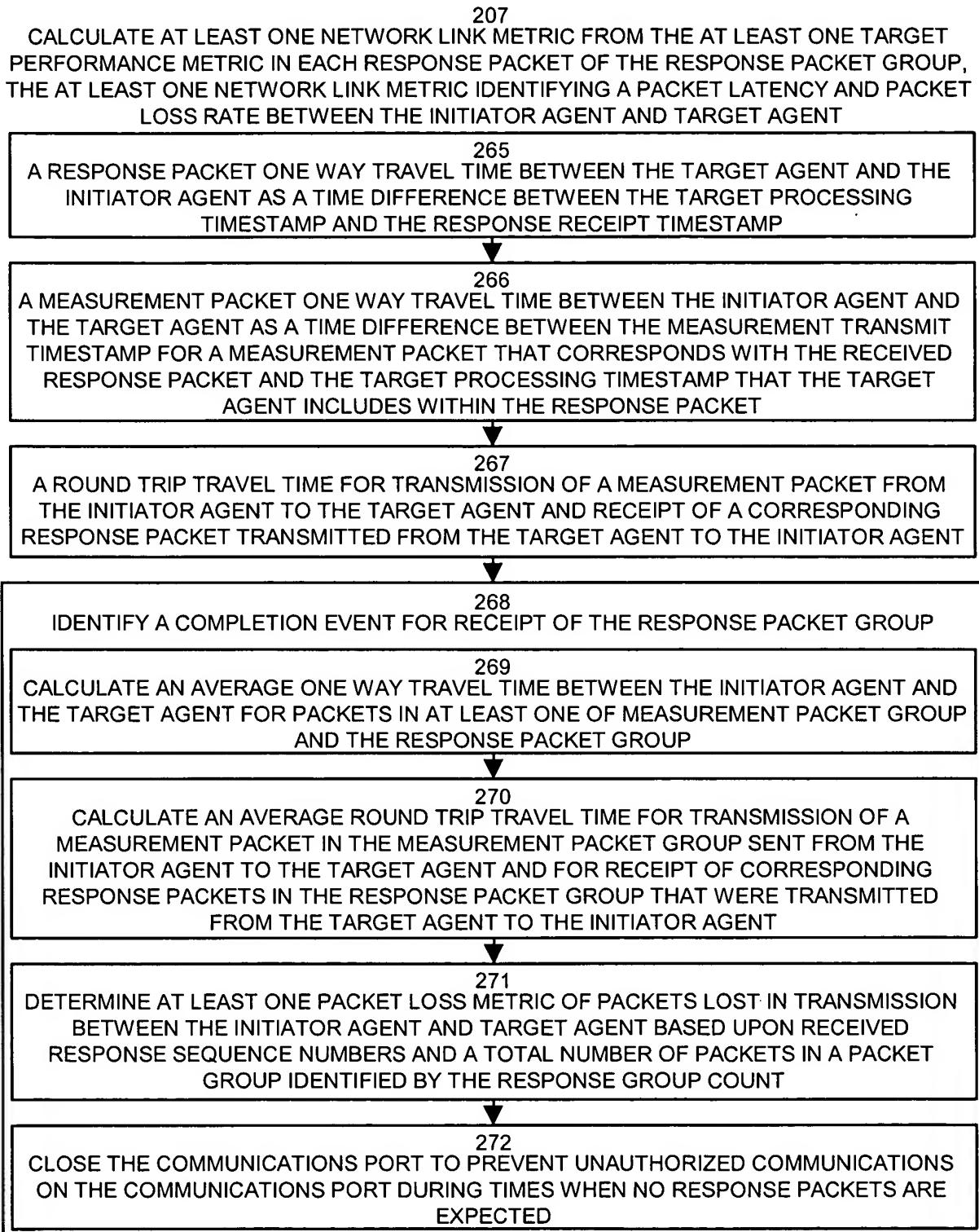


FIG. 8